

MATERIAL SAFETY DATA SHEET

Issue Date:
4/30/86

To the Purchaser: This MSDS contains important environmental, health and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

Manufacturer Champions Choice, Inc.
Address 1910 E. Via Burton, Anaheim, CA
92806

REGULAR TELEPHONE: 714/635-4491
EMERGENCY TELEPHONE:

PRODUCT IDENTITY

NFPA HAZARD RATING

SECTION 1

Label Name MICROFINISH
Synonyms & or Formula
Chemical Family Chlorinated Hydrocarbon
CAS Number NF

4 - Extreme HEALTH: 2
3 - High FLAMMABILITY: 1
2 - Moderate REACTIVITY: 1
1 - Slight SPECIAL: 0
0 - Insignificant

HAZARDOUS INGREDIENTS

SECTION 2

OSHA POTENTIAL HAZARDOUS SUBSTANCE (Identity, CAS No., percent, additional information) TLV

Ordorless Mineral Spirits	CAS # 6474288-7	Less than 10%	500 PPM
1-1-1 Trichloroethane	CAS # 71-55-6	Less than 25%	350 PPM

Balance of Formula is a Trade Secret
Information Available Upon Request

When in aerosol can contains:

Petroleum Hydrocarbon Propellant	Less than 15%	1,000 PPM
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INFORMATION FOR MIXTURES IS BASED ON CONSTITUENT MSDS WHICH ARE AVAILABLE UPON REQUEST. (Minus Proprietary Trade Names)

PHYSICAL AND CHEMICAL CHARACTERISTICS

SECTION 3

Boiling Point deg.F (deg.C)	<u>165° F</u>	Specific Gravity (Water = 1)	<u>Greater than 1</u>
Vapor Pressure (mm Hg)	<u>NF</u>	Percent Volatile by Volume (%)	<u>Less than 35%</u>
Vapor Density (Air = 1)	<u>Greater than air</u>	Evaporation Rate	<u>Greater than ether</u>
Solubility in Water	<u>Negligible</u>		
Appearance and Odor	<u>Lt. amber, chlorinated hydrocarbon odor.</u>		

FIRE AND EXPLOSION HAZARD DATA

SECTION 4

FLASH POINT (Method Used) * <u>170° F Cleveland C C</u>	FLAMMABLE LIMITS	LeI <u>NF</u>	UeI <u>NF</u>
EXTINGUISHING MEDIA <u>Carbon dioxide, foam, dry chemicals</u>			
SPECIAL FIRE FIGHTING PROCEDURES			
Wear self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode when fighting fires.			
Water may be used to keep fire-exposed containers cool until fire is out.			
Explosive Limit (Product) <u>Lower - 6.7%</u>			
UNUSUAL FIRE & EXPLOSION HAZARDS AND OTHER PHYSICAL HAZARDS (See below for data on reactivity)			
Hazardous decomposition products: may form toxic materials, carbon dioxide and carbon monoxide, hydrogen chloride, phosgene, various hydrocarbons, etc.			
*FLASH POINT: Component with Lowest Value <u>120° F.</u>			

REACTIVITY DATA

SECTION 5

STABILITY	UNSTABLE		CONDITIONS TO AVOID	NA
	STABLE	X		
INCOMPATIBILITY (Materials to Avoid)			STRONG OXIDIZING AND REDUCING AGENTS, STRONG ALKALI	
HAZARDOUS DECOMPOSITION PRODUCTS			COMBUSTION CAN PRODUCE OXIDES OF CARBON, HYDROGEN CHLORIDE, INCOMPLETELY BURNED HYDROCARBON PRODUCTS.	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID	NA
	WILL NOT OCCUR	X		

HEALTH EFFECTS OF EXPOSURE

EYE	CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
SKIN	- PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.
INGESTION	IF SWALLOWED: DO NOT INDUCE VOMITING, KEEP PERSON WARM, QUIET, AND GET MEDICAL ATTENTION. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.
INHALATION	IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION. DO NOT GIVE STIMULANTS. EPINEPHRINE OR EPHEDRINE MAY ADVERSELY AFFECT THE HEART WITH FATAL RESULTS.

HEALTH HAZARD DATA

SECTION 6

PERMISSIBLE EXPOSURE LEVEL	350	PPM
THRESHOLD LIMIT VALUE	350	PPM

EFFECTS OF ACUTE OVEREXPOSURE: FOR PRODUCT

EYES - CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
 SKIN - PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.
 BREATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.
 SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

FIRST AID:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.
 IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.

NOT LISTED AS A CARCINOGEN

SPECIFIC TOXICOLOGY STUDIES HAVE NOT BEEN CONDUCTED ON THIS PRODUCT. THIS HAZARD EVALUATION IS BASED ON INFORMATION FROM SIMILAR PRODUCTS, INGREDIENTS AND PROFESSIONAL EXPERIENCE.

EFFECTS OF OVEREXPOSURE (Include any medical conditions that are generally recognized as being aggravated by exposure)

IF SWALLOWED: DO NOT INDUCE VOMITING, KEEP PERSON WARM, QUIET, AND GET MEDICAL ATTENTION. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION. DO NOT GIVE STIMULANTS. EPINEPHRINE OR EPHEDRINE MAY ADVERSELY AFFECT THE HEART WITH FATAL RESULTS.

NA = NOT APPLICABLE
NF = NOT FOUND

IMPORTANT: SEE LAST PAGE FOR DISCLAIMER

BOE-C6-0202977

SPILL OR LEAK PROCEDURES

SECTION 7

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS. PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURRED.

WASTE DISPOSAL METHOD:

SMALL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK. DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LARGE SPILL: DESTROY BY LIQUID INCINERATION IN ACCORDANCE WITH APPLICABLE REGULATIONS. CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

RECOMMENDED CONTROL MEASURES

SECTION 8

RESPIRATORY PROTECTION: IF TLV OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: POLYVINYL ALCOHOL, POLYETHYLENE

EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED, HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

SPECIAL PRECAUTIONS -

SECTION 9

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET MUST BE OBSERVED.

OVEREXPOSURE TO MATERIAL HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: LIVER ABNORMALITIES, KIDNEY DAMAGE, LUNG DAMAGE

OVEREXPOSURE TO MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: CARDIAC ABNORMALITY, LIVER ABNORMALITIES, KIDNEY DAMAGE, LUNG DAMAGE

TRANSPORTATION DATA

SECTION 10

Proper Shipping Name	PETROLEUM OIL
DOT Classification	N. O. I.
DOT Labels	Not Applicable
DOT Marking	Not Applicable
DOT Placard	Not Applicable
UN Number	Not Applicable

PRECAUTIONARY LABELING

SECTION 11

CAUTION!

CAUSES EYE IRRITATION (REDNESS)
AVOID CONTACT WITH EYES

FOR INDUSTRIAL USE ONLY - KEEP OUT of the Reach of Children.

DO NOT RELY ON THE INFORMATION PRESENTED HERE AFTER DECEMBER 31, 1987.

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